

Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the application:

Listing of Claims:

1. (Currently amended) An apparatus comprising:

a fluid isolator assembly comprising a flexible diaphragm with a central membrane portion and an annular portion depending from the membrane, a distal end of the annular portion connected to a rigid base disposing the membrane substantially parallel to the base, the damping element and the base cooperatively defining which retains fluid in a sealed chamber; and

a floating body ~~comprising an elastomeric damping element floatably interfaced with the flexible diaphragm to provide a transmission path between the floating body and the fluid isolator assembly through the flexible diaphragm~~ connected to the membrane.

2. (Currently amended) The apparatus of claim 1 wherein the floating body ~~includes opposed body plates and the elastomeric damping element is disposed therebetween~~ comprises first and second rigid plates spatially separated by an elastomeric element interposed therebetween, wherein one of the plates is connected to the membrane and otherwise the plates are free-floating.

3. (Currently amended) The apparatus of claim 2 wherein the ~~elastomeric damping element is toroid-shaped~~ plates define receiving features mating with the elastomeric element laterally supporting the plates with respect to each other.

4. (Currently amended) The apparatus of claim 1 further comprising a load button ~~interposed between~~ connecting the floating body and the flexible diaphragm ~~to provide a load interface between the floating body and the flexible diaphragm.~~

5. (Original) The apparatus of claim 1 wherein the flexible diaphragm comprises a non-elastic flexible fabric.

6. (Currently amended) The apparatus of claim 1 wherein the ~~flexible diaphragm is clamped to a rigid base plate to form the chamber therebetween and a flow~~ defines a passage extends through the rigid base plate in fluid communication with the chamber and adapted for transferring a fluid to selectively pressurize the chamber.

7. (Currently amended) The apparatus of claim 1 further comprising a cradle ~~having~~ defining a cradle cavity in which the fluid isolator assembly is disposed receivingly supporting the base, the cradle further defining an extended load support contactingly engaging a load on the floating body when the chamber is pressurized below a threshold.

8. (Currently amended) The apparatus of claim 1 wherein the ~~cradle includes at least one load interface to support a load in a collapsed mode of the fluid isolator assembly~~ chamber is characterized by a quadrilateral lateral cross section.

9. (Currently amended) The apparatus of claim 8 wherein the ~~at least one load interface includes a plurality of plugs to support the load in the collapsed mode~~ chamber is characterized by a trapezoidal lateral cross section.

10. (Currently amended) An apparatus comprising:

a fluid isolator assembly comprising a flexible diaphragm which retains fluid in a chamber; and

a floating body floatably interfaced relative to the flexible diaphragm, the floating body comprising a an elastomeric damping element in series with the fluid isolator assembly; and

wherein the floating body and fluid isolator damp high frequency vibrations from a machine tool supported thereon.

11. (Currently amended) The apparatus of claim 10 ~~further comprising a load button interfaced between the floating body and the flexible diaphragm~~ wherein the flexible diaphragm comprises a central planar membrane portion and an annular portion extending from the membrane, a distal end of the annular portion attached to a common rigid base.

12. (Currently amended) The apparatus of claim 11 wherein the ~~load button is connected to at least a selected one of the floating body and the diaphragm~~ base defines a passage in fluid communication with the chamber and adapted for transferring a fluid to selectively pressurize the chamber.

13. (Currently amended) The apparatus of claim 11 wherein the diaphragm is secured between a rigid base and a ring forming a cylindrical cavity and the load button is disposed in the cylindrical cavity in a collapsed mode of the fluid isolator assembly and is interfaced above the cavity in an expanded mode of the fluid isolator assembly 10 damping high frequency vibrations in a servo data writing machine.

14. (Withdrawn) An apparatus comprising:

a frame;

a relatively rigid table having a servo writing assembly supported relative to the rigid table; and

at least one isolator interposed between the relatively rigid table and the frame comprising an elastomeric damping element in series with a fluid isolator assembly, the fluid isolator assembly comprising a flexible diaphragm which retains fluid in a chamber.

15. (Withdrawn) The apparatus of claim 14 wherein the servo writing assembly comprises:

a multiple disc spindle assembly to rotatably support a plurality of discs; and

a plurality of servo heads coupled to servo writer circuitry to record servo data to the discs.

16. (Withdrawn) The apparatus of claim 14 wherein the at least one isolator further comprises a load button between the floating body and the diaphragm.

17. (Withdrawn) The apparatus of claim 14 wherein the frame comprises a first portion and a second raised portion elevated above the first portion, and wherein at least one isolator is disposed between the first portion and the rigid table and at least one isolator is disposed between the second raised portion and the rigid table.

18. (Currently amended) A method comprising steps of:

supplying fluid to a fluid isolator assembly to floatably support a floating body

comprising an elastomeric damping element in ~~an~~ series with the fluid isolator assembly; and

damping simultaneously both high frequency and low frequency vibration in a

machine tool supported by the floating body through the fluid isolator assembly
in series with the floating body.

19. (Original) The method of claim 18, wherein the step of damping vibration comprises exchanging fluid through a fluid passageway of the fluid isolator assembly.

20. (Currently amended) A servo data writing assembly adapted for carrying out the

~~The method of claim 18, wherein the step of damping vibration dampens vibration while writing servo data to a disc.~~

21. (New) An isolator assembly in a machine tool that is adapted for damping simultaneously both high frequency and low frequency vibration by supporting a portion of

the machine tool on a floating elastomeric member that is pressingly engageable against a flexible planar membrane of a diaphragm.

22. (New) The isolator assembly of claim 21 wherein the diaphragm comprises a flexible annular portion depending from the membrane, a distal end of the annular portion attached to a common base defining a sealed chamber.

23. (New) The isolator assembly of claim 22 wherein the membrane is operably disposed substantially parallel to the base.

24. (New) The isolator assembly of claim 23 wherein the chamber is substantially a truncated cone shape.